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attempt was made in the senate to amend the bill to the effect that no cent of the appropriation should be used for the support of a medical college. The amendment was turned down by a vote of 34 to 9. A similar amendment in the house was defeated by the decisive vote of 94 to 37.

The trustees, therefore, who are chosen by the people, are left with the authority to spend \$100,000 more or less, as it may in their best judgment seem wise, for the support of medical education. There is every reason to think that the trustees will be conservative in the carrying out of the duties entrusted to them by the people of Illinois.

SCIENTIFIC NOTES AND NEWS

DR. VICTOR C. VAUGHAN, professor of hygiene and physiological chemistry in the University of Michigan, and dean of the department of medicine and surgery, was elected president of the American Medical Association at the recent Minneapolis meeting.

At the closing session of the meeting in Minneapolis of the Society for the Promotion of Engineering Education, Dean Anthony, of the Tufts Engineering School, was elected president. The next annual meeting will be held at Princeton, N. J.

THE Cannizzaro prize of \$2,000, founded by the late Dr. Ludwig Mond, has been awarded by the Accademia dei Lincei, of Rome, to Mr. Frederick Soddy, F.R.S., lecturer in physical chemistry at the University of Glasgow, for his researches in radioactivity.

THE University of Michigan has conferred the doctorate of laws on Dr. Roscoe Pound, professor in the Harvard Law School, the author of contributions to plant geography, and the degree of doctor of public health on Surgeon General Rupert Blue.

PROFESSOR ALFRED E. BURTON, professor of topographic engineering at the Massachusetts Institute of Technology and dean, has been given the degree of doctor of science by Bowdoin College, from which he was graduated in 1878.

THE University of Cincinnati has conferred upon Dr. L. A. Bauer, of the Carnegie Institution, the degree of doctor of science.

THE University of Pennsylvania has conferred the degree of doctor of science on Mr. Witmer Stone, curator of the Academy of Natural Sciences of Philadelphia and editor of *The Auk*.

THE University of Vermont has conferred the degree of doctor of science on Mr. Chas. A. Catlin, chemist of the Rumford Chemical Works, Providence, a graduate of the university in 1872.

DR. WILLIAM J. MAYO, of Rochester, Minn., has been elected foreign correspondent of the Academy of Medicine in Paris.

PROFESSOR DMITRI PETROVITSCH KONOVLOFF, of St. Petersburg, and Professor Alfred Werner, of Zurich, have been elected honorary foreign members of the Chemical Society of London.

PROFESSOR S. A. MITCHELL, of Columbia University, has been appointed director of the Leander McCormick Observatory at the University of Virginia, as successor to Professor Ormond Stone. During the past year Dr. Mitchell has been on sabbatical leave from Columbia and has spent his time at Yerkes Observatory in the photographic determination of stellar paradox and in spectrographic investigations of motion in the line of sight.

THE board of scientific directors of the Rockefeller Institute for Medical Research announces the following appointments and promotions: The following assistants have been made associates: Frederick Burr LaForge, Ph.D. (chemistry); James Bumgardner Murphy, M.D. (pathology and bacteriology); Gustave Morris Meyer, Sc.D. (chemistry), and Martha Wollstein, M.D. (pathology and bacteriology). Michael Heidelberger, Ph.D., has been promoted from fellow to assistant in chemistry. The following new appointments are announced: Wade Hampton Brown, M.D., associate in pathology and bacteriology; Carroll G. Bull, M.D., assistant in pathology and bacteriology; Frederick Lamont Gates, M.D., fellow in physiology and pharmacology. Dr. G. Canby Robinson, formerly associate in medicine, has been appointed associate professor of medicine at Washington University,

St. Louis. Dr. Jacques J. Bronfenbrenner, formerly assistant in pathology and bacteriology, has been appointed director of the pathological laboratory of the Western Pennsylvania Hospital, Pittsburgh. Dr. Richard Vanderhorst Lamar, formerly associate in pathology and bacteriology, has been appointed professor of pathology at the University of Georgia.

PROFESSOR ROBERT R. BENSLEY, of the department of anatomy in the University of Chicago, has been made one of the editors of the *Internationale Monatsschrift für Anatomie und Physiologie*, published in Leipzig.

DR. GEORGE FAY GRACEY, professor of chemistry and toxicology in the University of Texas, has resigned to enter practise in New York as a specialist on diseases of the eye.

H. N. CONOLLY, formerly field agent in horticulture of the Alabama Polytechnic Institute, has accepted a position in the United States Department of Agriculture, Bureau of Plant Industry.

MR. A. R. HINKS, F.R.S., chief assistant at the Cambridge Observatory, and university lecturer in surveying and cartography, has been appointed assistant secretary of the Royal Geographical Society.

MR. L. G. HUNTLEY, of the Associated Geological Engineers, is at present engaged in a study of the Pelican Portage gas field and other localities in central Alberta for the city of Edmonton.

FREDERICK ANDEREGG, professor of mathematics at Oberlin College, has been granted a year's leave of absence, for study and travel in Europe.

MR. PAUL C. MILLER and Mr. M. G. Mehl have returned from a two-months' expedition in the Red Beds of Texas, the fourth into that region by the paleontological department of the University of Chicago.

MR. G. N. WOLCOTT, who is the traveling entomologist supported by the Porto Rico Sugar Growers' Association, is collecting parasites of the white grub, to introduce into Porto Rico, where the white grubs are a very serious

pest in the cane fields. Mr. Wolcott has his chief headquarters in the United States at the University of Illinois.

DR. W. D. MAWSON, who is in charge of the Australasian Antarctic Expedition, which is now working on the Antarctic continent, south of Australia, has sent a wireless message to Professors David and Haswell, of Sydney, asking them to arrange for Mr. E. R. Waite, curator of Canterbury Museum, Christchurch, New Zealand, to report on the fishes of the expedition. Last year Mr. Waite joined Dr. Mawson's vessel, the *Aurora*, in an exploring expedition in the Southern Ocean, touching at the Macquarie and Auckland Islands, and obtained a number of specimens of fishes. He is now working on these, and further specimens will be sent to him from Adelie Land. Mr. Waite also reported on the fishes for Sir Ernest Shackleton's expedition in the *Nimrod*.

A STATUE of Lord Kelvin was unveiled on June 19 in the Botanic Gardens, Belfast. The chancellor of the Queen's University, Belfast, the Earl of Shaftesbury, presided and Sir Joseph Larmor, M.P., F.R.S., delivered an address. The statue is the work of Mr. Bruce Joy. We learn further from *Nature* that the statue of Lord Kelvin erected by the contributions of his fellow-citizens in Glasgow and the west of Scotland has been placed in position by the side of the new Kelvin Avenue, which traverses the Kelvingrove Park beneath Gilmorehill, close to the University of Glasgow. The statue will be unveiled on October 8 next, by the Right Hon. A. Birrell, lord rector of the university, and an address on Kelvin will be delivered by the Right Hon. A. J. Balfour, Gifford lecturer in the university. The Kelvin memorial window in Westminster Abbey will be unveiled on July 15.

At the twenty-fifth reunion of the class of 1888 of Washington and Jefferson College, on June 17, a library memorial fund was established in honor of Dr. Jesse W. Lazear, U.S.A., a member of the class, who left before graduation to study medicine and who afterward became a member of the commission to investigate the rôle of the mosquito in the trans-

mission of yellow fever, and sacrificed his life to the cause of scientific research.

PROFESSOR N. H. ALCOCK, professor of physiology in McGill University and the author of important contributions to this science, has died at the age of forty-two years.

DR. FORBES WINSLOW, who founded the British Hospital for Mental Disorders and was the author of numerous works on insanity, has died at the age of seventy years.

SIR JONATHAN HUTCHINSON, a prominent London surgeon, died on June 23, aged fifty-four years.

THE University of Montana Biological Station will be open from June 17 until September 1, under the direction of Dr. Morton J. Elrod, head of the department of biology. The laboratory is located on the east shore of Flathead Lake, at an altitude of 2,900 feet, in a tract of 87 acres of virgin forest donated by congress. Two other tracts of 40 acres each are on islands but a few miles distant. The Mission range of mountains come quite abruptly to the lake at the station, rising to an elevation nearby of 8,500 feet. A few miles to the south the elevation is 10,000 feet. The lake is 30 miles long and at the middle, where the station is located, it is 19 miles wide. It covers nearly 400 square miles, has a shore line of almost 150 miles and is 300 feet deep. Up the lake from near the station a fringe of fruit ranches borders the lake. Down the lake and for many miles beyond, the country is an unsettled forest. Eastward the unbroken forest extends across range after range until the plains country is reached beyond the main divide. The station was established in 1899, and has continued with an interruption of two years. Its former location was at Bigfork, where Swan River enters the lake at the upper end. Last year a building was erected. This is a two-story brick structure, capable of accommodating about 25 workers. The staff and workers live in tents, and meals are provided at a mess table. The facilities for work are extended to elementary and advanced students and to investigators. Those attending the station may take such work as they please

within certain limits, and all the assistance possible will be rendered them. The field method is largely employed. Courses will be offered in botany, zoology, ecology, physiography, ornithology, entomology, photography and plankton, besides the facilities offered for research.

ACCORDING to an advance statement by Ernest F. Burchard, of the United States Geological Survey, the total quantity of Portland, natural and puzzolan cements produced in the United States in 1912 was 83,351,191 barrels, valued at \$67,461,513, compared with 79,547,958 barrels, valued at \$66,705,136, in 1911. This represents an increase in quantity of 3,803,233 barrels, or 4.78 per cent., and in value of \$756,377, or 1.13 per cent. The distribution of the total production among the three main classes of cement in 1912 is as follows: Portland, 82,438,096 barrels, valued at \$67,016,928; natural, 821,231 barrels, valued at \$367,222; puzzolan, 91,864 barrels, valued at \$77,363. The total production of Portland cement in the United States in 1912, as reported to the United States Geological Survey, was 82,438,096 barrels, valued at \$67,016,928, compared with 78,528,637 barrels, valued at \$66,248,817, in 1911. The output for 1912 represents an increase in quantity of 3,909,459 barrels, or nearly 4.98 per cent., and in value of \$768,111, or 1.13 per cent. The shipments of Portland cement from the mills in the United States in 1912 are, according to reports received by the survey, 85,012,556 barrels, valued at \$69,109,800, compared with 75,547,829 barrels, valued at \$63,762,638, shipped in 1911. The shipments therefore represent an increase in quantity of 9,464,727 barrels, or 12.52 per cent., and in value of \$5,247,162, or 8.38 per cent. The average price per barrel in 1912, according to these figures, was a trifle less than 81.3 cents, compared with 84.4 cents in 1911. This represents the value of cement in bulk at the mills, including labor and cost of packing, but not the value of the sacks or barrels. The average price per barrel for the country is about 13.9 cents higher than the average price received for Portland cement in the Lehigh district, where it was sold at the

cheapest rate, and is near the average price received in the Iowa-Missouri district, but it falls 54.5 cents below the average price received on the Pacific coast, where Portland cement brought the highest figure during the year.

UNIVERSITY AND EDUCATIONAL NEWS

THE University of Chicago has received \$300,000 for a building to be used as a social center and gymnasium for the women of the university. The donor is Mr. La Verne Noyes. The building is to be a memorial to his deceased wife and will be known as the Ida Noyes Hall.

At the recent commencement at Smith College, it was announced that the trustees had appropriated the sum of \$140,000 for the construction of a new biological building.

DR. E. P. LYON, professor of physiology and dean of the Medical College of St. Louis University, has been appointed dean of the medical department of the University of Minnesota and director of the physiological department.

CHARLES S. WILLIAMSON, JR., associate professor of chemistry in the Alabama Polytechnic Institute, has accepted an associate professorship of industrial and sugar chemistry in Tulane University.

F. E. CHIDESTER, Ph.D. (Clark), instructor at Rutgers College, has been advanced to the position of assistant professor of biology.

THE department of zoology at Oberlin College will be enlarged during the coming year by the addition of Professor Charles G. Rogers, formerly of Syracuse University.

PROMOTIONS and new appointments at the Johns Hopkins University include the following: In the philosophical faculty: J. Elliott Gilpin, Ph.D., now associate professor, to be collegiate professor of chemistry; Duncan S. Johnson, Ph.D., now professor of botany, to be professor of botany and director of the Botanical Laboratory and the Botanical Garden; Burton E. Livingston, Ph.D., now professor of plant physiology, to be professor of plant

physiology and director of the Laboratory of Plant Physiology; Edward W. Berry, now associate in paleobotany, to be associate professor of paleontology; Joseph T. Singewald, Jr., Ph.D., now Henry E. Johnston scholar, to be associate in economic geology. In the medical faculty: Leonard G. Rowntree, M.D., now associate, to be associate professor of experimental therapeutics; Warren H. Lewis, M.D., now associate professor of anatomy, to be professor of physiological anatomy; E. V. Cowdry, M.D., of the University of Chicago, to be associate in anatomy; Dr. Paul G. Shipley, of Yale University, and Dr. George Corner, to be assistants in anatomy.

FOLLOWING the creation of the new office of chancellor at Leland Stanford Junior University to be filled by Dr. David Starr Jordan and the appointment of Dr. J. C. Branner, to the office of president, Dr. John Maxson Stillman, head of the department of chemistry, has been made vice-president. The following promotions and appointments in the university faculty have been made: In the sabbatical absence of Professor H. W. Stuart, in philosophy, Professor Warner Fite, of the University of Indiana, has been elected acting professor for the first semester. Assistant Professor George Holland Sabine, in the same department, has been made associate professor. In economics, Instructors Stephen Ivan Miller and Donald Frederick Grass have been made assistant professors. In graphic art, H. V. Poor has been appointed assistant professor. In mathematics Associate Professor H. F. Blichfeldt has been made professor, and Assistant Professor W. A. Manning, in applied mathematics, has been made associate professor. Instructor L. E. Cutter, in mechanical engineering, has been made assistant professor. In physiology, Instructor F. W. Weymouth has been made assistant professor. In medicine, Assistant Professor Thomas Addis has been made associate professor, and Instructor E. D. Congdon has been made assistant professor. Instructor Leo Eloesser has been made assistant professor of surgery.

At Birmingham University Professor W. S. Boulton, professor of geology at University